

10/539550

Attorney Docket No. 2002P01546WOUS

JC05 Rec'd PCT/PTO 16 JUN 2005

UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Joachim Damrath et al

Application Number: Unassigned

Filing Date: Concurrently Herewith

Group Art Unit:

Examiner:

Title: METHOD AND DEVICE FOR DISCHARGING AND
DEHUMIDIFYING AIR IN A COOKING AREA

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.98, I am submitting a completed "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" (*Form PTO/SB/08A*) with patents and/or publications as delineated therein attached.

DE 37 39 145 discloses a method for dehumidifying rooms, in particular dwelling rooms, in which, in dehumidifying mode, the humid air is sucked out of the room by means of a blower, driven through a humidity absorber and then returned to the room again as dehumidified air, and in which, in absorber regeneration mode, heated air is passed through the absorber and a condenser, connected downstream of the absorber, and the humidity contained in the air leaving the absorber is separated off in the condenser, is made more simple and less expensive and is thus also usable in an economically advantageous manner in the housing sector by the fact that, in regeneration mode, the air is conveyed from the absorber to and through the condenser solely, or at least predominantly, by free convection. Furthermore, an apparatus for carrying out a method of this type is also described here.

EP 1 111 311 discloses a device and the device has a steam extraction air path for connection to an air outlet channel leading out of a room into the outer atmosphere. The air path contains at least one fan generating a steam extraction air flow and at least one odor filter. A cooling air path has at least a second fan generating a cooling air flow. The odor filter

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is arranged in the steam extraction air path downstream of a heat exchanger for exchanging heat between the air paths. The device has a steam extraction air path (3) from a room (12) containing the device for connection to an air outlet channel (32) leading out of the room into the outer atmosphere, whereby the air path contains at least one fan (2) for generating a steam extraction air flow and at least one odor filter (4-2), at least one cooling air path (5) with at least a second fan (6) for generating a cooling air flow and at least one heat exchanger (8) for exchanging heat between the air paths. The odor filter is arranged in the steam extraction air path downstream of the heat exchanger.

DE 100 20 205 discloses that the extractor hood has a condensate separator and at least one filter system with at least one grease filter (2) for separating solid and/or liquid components in the dirty air (VL) and a heat exchanger. At least one evaporator (4) for refrigeration is installed as a heat exchanger in at least one condensation cell (3). The air pre-cleaned by a grease filter(s) is passed via a suction fan (14) into a condensation cell and fed through an air guidance device (5). The bottom of the condensation cell acts as a condensate collection trough and has an outlet. The cooled, moisture-reduced air leaves the system after passing through at least one odour filter (8).

DE 31 29 848 discloses that, in a process for drying humid gases, in particular air, with an adsorbent and regeneration of the adsorbent charged with moisture, humid gas is passed over a carbon-containing adsorbent packing impregnated with a hygroscopic salt. By applying an alternating voltage to the laden electrically conducting adsorbent packing, this is heated and the moisture is removed, whereupon the dried adsorbent is again charged with humid gas in the circulation. As a result, repeated use of the adsorbent is possible. A preferred adsorbent is activated charcoal which is impregnated with a 5 to 20% strength by weight, preferably a 10% strength by weight, solution of a hygroscopic salt. Good results are obtained after impregnation with a 10% strength by weight calcium chloride solution.

EP 1 106 948 discloses that a bakery oven discharges large quantities of steam to a condenser (48, 100, 110, 120). The condenser (48) has a steam inlet (24, 25, 26) and is exhausted by an extraction fan (13). Steam is drawn from an inlet (49) through a first passage (56) to an outlet (28). The condenser has a second steam passage (57) which is especially fully insulated from the first (56). The second passage (57) has a discrete inlet (51) and outlet (52). The first outlet (59) has a cool air mixer (13, 18). The mixer (13, 18) is coupled to the condenser's second inlet.

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DE 299 03 794 U – No English translation is readily available.

If no translation of pertinent portions of any foreign language patents or publications mentioned within the "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the Applicants. As per the Notice in 1273 OG 55 (August 5, 2003) no copies of any above-mentioned US patents and US patent application publications are submitted for this application which was filed after June 30, 2003.

Respectfully submitted



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June 16, 2005

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Substitute for form 1449/PTO

(Use as many sheets as necessary)

Complete if Known

Application Number	Unassigned 10/539550
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Filing Date	Herewith
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First Named Inventor	Joachim Damrath et al
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Art Unit

Examiner Name

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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ ~Number ⁴ ~Kind Code ⁵ (if known)				
		DE 37 39 145	05-24-1989	GEU Gesellschaft		
		EP 1 111 311	06-27-2001	Paul Seyfried et al		
		GB 2 110 107	06-15-1983	Herbert Kreckl et al		✓
		DE 100 20 205	11-16-2000	Reiner Heede		
		DE 31 29 848	02-17-1983	Karl Knoblauch et al		
		EP 1 106 948	06-13-2001	Andreas Sigle et al		

Examiner Signature	Date Considered
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		Country Code ³ ~ Number ⁴ ~ Kind Code ⁵ (if known)				
		DE 299 03 794	05-27-1999	Andreas Hoefer		
		International Search Report for PCT/EP2003/013722				✓

Date
Considered

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